

## ABSTRACT

A protective layer is provided for an image detector used for an x-ray image. This image detector comprises a layer of luminescent material that is to be protected against mechanical stress and moisture. A polymeric protective layer is disposed thereupon and is hardened exclusively in an area which does not border the layer of luminescent material. The hardened area provides protection against mechanical stress while the remaining area forms a moisture barrier. An appertaining method is provided for producing a polymeric protective layer on an image detector for an x-ray image, which is provided with a layer of luminescent material. The protective layer is deposited on the layer of luminescent material and then is hardened only in an area which does not border the layer of luminescent material.